

Voluntary Industry Reporting Form for 6(a)(2) Adverse Effects Incident Information

Provide all known, required information. If required data field information is unknown, designate as such in appropriate area.

Row 1 Administrative Data	Reporter Name Jennifer Greminger	Submission date. August 31, 2018	Contact person (if different than reporter) Joy Thompson	Internal ID 32484957
	Address Monsanto Company Mail Stop C3NA 800 N Lindbergh Blvd. St. Louis, MO 63167		Address Missouri Regional Poison Center (MRPC) 7980 Clayton Road, Suite 200 St. Louis, MO 63117	
	Phone # (314) 694-1538		Phone # (314) 772-8300	
	Incident Status: New <u> X </u> Update <u> </u> If update, include date of original submission.	Location and date of incident. (City, County, State) State: Missouri Date: 7/08/2018	Date registrant became aware of incident. August 2018	Was incident part of larger study? Y <u> </u> N <u> X </u> U <u> </u>
<u>Row 2</u>	<u>EPA Registration # (Product 1)</u>	<u>EPA Registration # (Product 2)</u>	<u>EPA Registration # (Product 3 & 4)</u>	
<u>Pesticide(s) Involved</u>	71995-33			
	A.I. (s) Glyphosate 2% Pelargonic Acid 2%	A.I. (s)	A.I. (s)	
	Product 1 Name Roundup Weed and Grass Killer Ready to Use III from Monsanto	Product 2 Name	Product 3&4 Name	
	Exposed to concentrate prior to dilution? Y <u> </u> N <u> </u> U <u> X </u> NA <u> </u>	Exposed to concentrate prior to dilution? Y <u> </u> N <u> </u> U <u> </u> NA <u> </u>	Exposed to concentrate prior to dilution? Y <u> </u> N <u> </u> U <u> </u> NA <u> </u>	
	Formulation	Formulation	Formulation	
Row 3 Incident Circumstances	Evidence label directions were not followed? Yes <u> </u> No <u> X </u> U <u> </u> Intentional misuse <u> No </u>	Incident site: (examples include home, yard, school, industrial, nursery/greenhouse, surface water, commercial turf, building/office, forest/ woods, agricultural (specify crop) right-of-way (rail, utility, highway). unknown	Situation (act of using product): (examples include mixing/loading, reentry, application, transportation, repair/ maintenance of application equipment, manufacturing/ formulating). See MRPC incident report (next page)	
	Applicator certified PCO? Yes No U <u> X </u>			
	How exposed: (examples include direct contact with treated surface, ingestion, spill, drift, runoff) See MRPC incident report (next page)	Brief description of incident circumstances. See MRPC incident report (next page)		

Human Exposure / Adverse Effect Incidents Involving Monsanto Agricultural Products

Reporting Categories: H-A, H-B, H-C

Reporting Period: July 1, 2018 – July 31, 2018

Substance:	Roundup Weed and Grass Killer Ready to Use III from Monsanto
Serial Number:	32484957
Date:	07/08/2018
Medical Outcome:	Moderate Effect H-C
EPA Reg. No.	71995-33
Active Ingredients:	Glyphosate 2% Pelargonic Acid 2%
State:	Missouri
History and Notes:	<p>Caller states she was spraying Roundup Weed and Grass Killer Ready to Use III about 30 min ago. She had been spraying without gloves for 10 to 15 minutes. Some of the liquid was on the hand she was spraying with. She washed her hands x 3 with soap and water afterwards. She notes a tingling feeling "like hydrogen peroxide" and states her fingertips of that hand are gray/discolored like they blood flow is decreased. Caller states she has a history of neuropathy and carpal tunnel. MRPC discussed the product toxicity. The symptom of discolored skin does not correlate with the expected response of the product. MRPC questions possible medical cause or other cause for symptoms. Advised further washing is not necessary and continue observation. If symptom persists or worsens, may need to have it evaluated by MD. On follow up, the woman states she has been out gardening since the initial phone call. She has just come inside and feels like she is ready to collapse from the heat. She states she is dripping with sweat, hair is wet, clothing down to underwear is wet, and face is beet red. She states her fingertips are unchanged. She states it looks like when hydrogen peroxide gets on the skin and makes it a light color. It is pale/grey on the fingertips only. They seem to be achy. Tingling is the same as it always is with her neuropathy. She is wearing fingernail polish but states she can see pink color under her nail. She can see some refill of color when she presses on the end of the finger. No history of Raynaud's disease. She has had a couple of carpal tunnel surgeries. Her MD states it is too far gone to regain full use. She has no muscle tone or no strength but can use it to spray the trigger of the Roundup. She can't open milk or cans without assistance. MRPC would not expect pallor or symptoms present with exposure given in history. Concern for inadequate circulation to the finger tips. Advised to seek medical evaluation and possible treatment today and not wait until tomorrow if tissue is grey in color. MRPC is available to speak with MD if desired. Symptoms do not correspond with the expected response to the product. SPI concerned re: possible misinterpretation of symptoms and/or possible misidentification of product or mixed exposure.</p>